

## CLAIMS

1. A spindle motor control circuit for controlling a motor; comprising;  
a control circuit to control said motor during at least a low state, a pulse state and a high state;  
said motor braking during said low state;  
said control circuit receiving a flyback voltage from said motor during said pulse state;  
said control circuit receiving a reduced flyback voltage from said motor during said high state.
2. A spindle motor control circuit for controlling a motor, as in Claim 1, wherein said control circuit includes an op amp to feed back a voltage to limit sent flyback voltage from said motor.
3. A spindle motor control circuit for controlling a motor, as in Claim 1, wherein said voltage is a first voltage during said pulse state and a second voltage during said high state.
4. A spindle motor control circuit for controlling a motor, as in Claim 3, wherein said first voltage is greater than said second voltage.
5. A spindle motor control circuit for controlling a motor, as in Claim 1, wherein said motor is braked before said pulse state and after said high state.